

Acknowledgements

This work was done as part of joint projects between the Naval Research Laboratory and SAIC, under ESTCP-funded projects MR-200909, -201001, -201165 and -201265.

The authors would like to thank David George of G&G Sciences for his invaluable assistance implementing the data acquisition software necessary to enable the NRL MP System to operate in a dynamic, or survey mode; a mode for which it was not originally designed.

Also the authors would like to thank Greg Abrams, Harry Wagner, and Brad Boileau of the URS Corporation for their assistance in data collection for the Dynamic Area at the former Spencer Artillery Range, TN in May, 2012.

the detected anomalies, limiting the number of anomalies requiring further investigation in cued mode.

Another ongoing goal of this and other projects has been to transition these technologies from being research prototypes to use in the industrial community where appropriate. The mechanics of collecting classification-grade advanced EMI cued data with these systems have been shown to be fairly routine in the research community. As part of the ESTCP Munitions Response Live Site Demonstrations, industrial partners have been exposed to the MP system and the associated data collection and processing procedures. The success of this effort will be evaluated on an ongoing basis through the Live Site demonstrations. In the past, analysis of data from these systems has been somewhat of a specialty, requiring specific software and knowledge to proficiently conduct. The successful transition of the processing and analysis procedures for MP data to the Geosoft Oasis montaj environment provides a clear pathway forward.

